Index of Claims

| _ | Application/Control No. | Applicant(s)/Patent under Reexamination | _ |
|---|-------------------------|---|---|
|   | 10/752,501              | ICHINOHE, SHOJI                         |   |
|   | Examiner                | Art Unit                                | Τ |

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| √ | Rejected | _ |  |
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| = | Allowed  | + |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

Kuo-Liang Peng

| N | Non-Elected  | Α | Appeal   |
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| ı | Interference | 0 | Objected |

| Claim       |          |              | Date           |   |  |          |          |          | Claim Date |          |          |          | CI                 | aim       | Date         |                       |        |  |                |                 |       |            |                 |          |                 |          |                 |          |                 |               |          |
|-------------|----------|--------------|----------------|---|--|----------|----------|----------|------------|----------|----------|----------|--------------------|-----------|--------------|-----------------------|--------|--|----------------|-----------------|-------|------------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|---------------|----------|
|             |          |              |                |   | Π  | T        | Т        | П        | П          |          |          |          |                    | Т         | Γ            | П                     |        |  |                |                 |       |            |                 |          | П               |          |                 |          |                 |               |          |
| Final       | Original | 4/1/06       |                |   |  |          |          |          |            |          | व        | Original |                    |           |              | 1                     | - 1    |  |                |                 | ब     | Original   |                 | ı        |                 |          |                 |          |                 |               |          |
| Fi.         | rig      | \$           |                |   |  |          |          |          |            |          | Final    | ij       |                    |           |              | i                     | -      |  | li             |                 | Final | rig        |                 |          |                 |          |                 |          |                 |               |          |
|             | 0        |              |                |   |  |          |          |          |            |          |          | 0        |                    | -         |              |                       |        |  |                |                 |       | 0          |                 |          |                 |          |                 |          |                 |               |          |
|             | 1        | T            | 1              |   | П  | T        | 寸        | $\neg$   | ヿ          |          |          | 51       | 十                  | $\top$    |              |                       | 十      | $\top$                                       | П              |                 |       | 101        |                 | 7        |                 |          |                 |          |                 | ᅥ             | _        |
|             | 1        | -            | <b>!</b>       | _ |  | T        | 寸        |          | 寸          |          |          | 52       | 十                  | 1         |              |                       | 1      | $\top$                                       | П              |                 |       | 102        |                 | 寸        |                 |          |                 |          | $\neg$          | $\neg$        |          |
| _           | 3        |              |                | _ | 1  | _        | 寸        |          | $\neg$     |          |          | 53       |                    |           |              |                       |        | 1  |                |                 |       | 103        |                 | T        |                 |          |                 |          |                 | 7             |          |
|             | 1        | ┢            | $\vdash$       |   | $\vdash$   | $\dashv$ | $\dashv$ |          | 寸          | $\neg$   |          | 54       | $\dashv$           | $\top$    | 1            |                       |        | 1  |                |                 |       | 104        | $\neg$          | $\neg$   |                 |          |                 |          |                 | 一             |          |
|             | 4        | ╁            | $\vdash$       |   | 1  |          | _        | 7        | _          |          |          | 55       |                    | $\top$    | 1-           | -                     | +      | ┼─   | Н              |                 |       | 105        | $\neg$          |          |                 |          | $\neg$          | $\dashv$ | $\vdash$        | _             | $\dashv$ |
|             | ð        | -            | -              |   | ╅  |          | $\dashv$ | _        | _          | $\neg$   |          | 56       | _                  |           | $\vdash$     |                       | +      | ╅╌   | Н              |                 |       | 106        |                 | 7        | $\neg$          |          |                 |          |                 | _             | ┪        |
|             | 7        | 1            | -              | _ |  | _        | 7        | _        | ᅥ          | ᅱ        |          | 57       |                    | +-        |              | -                     | ╅      | 1  |                | ŀ               |       | 107        |                 | 一        |                 |          |                 |          |                 | 7             | ᅥ        |
|             | 8        | V            | 1              | - | $\vdash$   | _        | 寸        | _        | _          | $\neg$   |          | 58       |                    |           |              | $\vdash$              | ╅      | 1  |                | :::: <b>!</b>   |       | 108        |                 | $\dashv$ | $\neg$          |          |                 |          |                 |               | _        |
|             | 9        | V            | ╁              | - | $\vdash$   | _        | 寸        | $\dashv$ | 一          | $\neg$   |          | 59       | $\dashv$           | +         | $\vdash$     | $\vdash$              | $\top$ | $\top$                                       |                | 1               |       | 109        |                 | +        |                 |          |                 |          | $\dashv$        |               |          |
|             | 10       | Ė            | H              |   | $\vdash$   | $\dashv$ | 寸        | _        | $\dashv$   |          |          | 60       | $\dashv$           | $\top$    | T            | $\vdash$              | +      | T  |                | :::: <b>!</b>   |       | 110        |                 | 寸        |                 | -        |                 |          |                 | $\dashv$      | $\dashv$ |
|             | 11       |              | <del>  -</del> | _ | $\vdash$   | _        | _        | _        | -          | $\dashv$ |          | 61       |                    | +         | T            | $\vdash$              | +-     | +  | _              | :::: <b>:</b>   |       | 111        | $\dashv$        | 7        | -               |          |                 |          |                 | $\dashv$      | $\dashv$ |
| $\vdash$    | 12       | $\vdash$     | <b>-</b>       | - | <del>   </del>                                   | $\dashv$ | -        |          | -+         |          |          | 62       | -                  | +-        |              | -                     | +      | +  | $\vdash$       | :::: <b>:</b>   |       | 112        | $\dashv$        | $\dashv$ | $\dashv$        |          |                 | $\dashv$ | $\dashv$        | $\dashv$      | $\dashv$ |
|             | 13       |              | $\vdash$       |   | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | +          | $\dashv$ |          | 63       | +                  | +         | $\vdash$     | $\vdash$              | +      | $\vdash$                                     |                | :::: <b>!</b>   |       | 113        | -               | $\dashv$ | $\dashv$        | $\vdash$ | $\vdash \vdash$ |          |                 | -             |          |
|             | 14       | ├-           | $\vdash$       |   | $\vdash$   | $\dashv$ | -+       | +        | +          | $\dashv$ |          | 64       | -+-                | +         | 1            | $\vdash$              | +      | +  | $\vdash\vdash$ | ŀ               |       | 114        | $\dashv$        | $\dashv$ | $\dashv$        | $\vdash$ | $\dashv$        | $\vdash$ | $\dashv$        | $\dashv$      | $\dashv$ |
|             | 15       | -            | Н              |   | <del>                                     </del> | +        | $\dashv$ | -        | -          | ᅱ        |          | 65       | -                  | +-        | +            | $\vdash$              | +-     | +  |                | :::: <b>!</b>   |       | 115        | -               | +        | $\dashv$        |          | $\dashv$        |          |                 |               |          |
|             | 16       | -            | Н              |   | $\vdash$   | $\dashv$ | -+       | +        | ᆉ          | $\dashv$ | <b>-</b> | 66       | $\dashv$           | +         | $\vdash$     | $\vdash$              | +      | +  | $\vdash$       | :::: <b>:</b> } |       | 116        | $\dashv$        |          | $\dashv$        |          |                 | -        | -               |               |          |
| $\vdash$    | 17       |              | $\vdash$       |   | <del>   </del>                                   | +        | -+       | -+       | $\dashv$   | $\dashv$ | <b>-</b> | 67       | +                  | +         | $\vdash$     | $\vdash$              | +      | +  | Н              | :::: <b>!</b>   |       | 117        | -               |          | -               |          |                 |          | -               |               |          |
|             | 18       | -            | $\vdash$       |   | $\vdash$   | $\dashv$ | $\dashv$ | -        | -          | ᅱ        |          | 68       | -+                 | +-        | +-           | $\vdash$              | +      | +  | $\dashv$       | <b>.</b>        |       | 118        | -               | $\dashv$ | -               |          |                 | -        |                 | -             |          |
|             | 19       | ⊢            | -              |   | ⊢  | $\dashv$ | $\dashv$ | -        | $\dashv$   | $\dashv$ |          | 69       |                    | +         | ┼            |                       |        | +  | Н              |                 |       | 119        | -               |          |                 |          |                 | -        |                 | -             |          |
|             | 20       | ⊢            | H              |   | ⊢  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | ᅱ        |          | 70       |                    | +         | $\vdash$     | $\vdash$              | +      | -  | $\dashv$       |                 |       | 120        | $\dashv$        | $\dashv$ | $\dashv$        |          | $\dashv$        | $\dashv$ |                 |               |          |
|             | 21       | ├            | Н              |   | ╟┼   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | ႕        |          | 71       |                    | +-        | ╁            |                       |        | +  | Н              |                 |       | 120        | -               | -        | -               |          |                 | $\dashv$ | -               | $\dashv$      |          |
|             | 22       | ├            | Н              | _ | ⊢⊹   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | 러        |          | 72       |                    | +         | +            | $\vdash$              |        | +  | $\dashv$       | ŀ               |       | 121<br>122 |                 | -        | $\dashv$        |          | $\dashv$        | $\dashv$ |                 | $\dashv$      |          |
|             |          | ├            |                | _ | <del> </del>                                     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | ᅱ        |          |          | $\dashv$           | +         | $\vdash$     | $\vdash$              | ┿      | ┼  | Н              | ŀ               |       |            |                 | $\dashv$ | $\dashv$        | -        | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$      | -        |
| <u> </u>    | 23       | ┝            | $\vdash$       |   | $\vdash$   | +        | $\dashv$ | $\dashv$ | -          |          |          | 73       |                    |           | -            | $\vdash$              | +-     | ╂  | Н              |                 |       | 123        | _               | $\dashv$ | $\dashv$        |          | $\dashv$        | -        | $\dashv$        |               |          |
|             | 24       |              | Н              |   | H  | $\dashv$ | $\dashv$ | $\dashv$ |            | ᅫ        |          | 74       |                    | +-        | <b>├</b>     |                       |        | ₩  | Н              |                 |       | 124        | _               | _        | _               |          | $\dashv$        | -        | $\dashv$        | -             |          |
|             | 25       | <u> </u>     | H              |   | Ì  | -        | $\dashv$ | -        |            |          |          | 75       | -                  | 4_        | $\vdash$     | $\vdash$              | +      | $\perp$                                      | Н              |                 |       | 125        | _               | -        |                 |          |                 |          | $\dashv$        | _             | _        |
| <u> </u>    | 26       | _            | Н              |   | $\vdash$   | $\dashv$ | -        | -+       | $\dashv$   | $\dashv$ |          | 76       | +                  | +         | $\vdash$     | $\vdash \vdash$       | -      |  |                |                 |       | 126        | _               | -        | -               |          | 4               |          |                 | _             |          |
|             | 27       | ļ            |                |   | $\vdash$   | -        | 4        | -        | 4          | 4        |          | 77       | -                  | 4         | $\vdash$     | $\vdash$              |        | 4  | Ш              |                 |       | 127        | _               | _        | _               |          |                 |          |                 | _             |          |
| <u> </u>    | 28       |              | Ш              |   | $\vdash$   | 4        | 4        | 4        | _          | _        |          | 78       | -                  | +         | $\vdash$     | $\vdash$              | +      | $\bot$                                       |                |                 |       | 128        | _               | _        | _               |          |                 |          | _               | 4             | _        |
|             | 29       | ļ            | Ш              |   | $\sqcup$   | $\dashv$ | -        | -        | 4          | _        |          | 79       | _                  | _         | $\perp$      |                       |        | 1  | _              |                 |       | 129        | _               | _        | _               |          |                 |          |                 | _             | _        |
|             | 30       | <u> </u>     | Ш              |   | $\sqcup \bot$                                    | _        | $\dashv$ | -        | _          | _        |          | 80       |                    |           | $\perp$      | $\perp$               |        | 1  |                |                 |       | 130        | _               | _        | _               |          |                 | _        | _               |               | _        |
| L           | 31       |              | Ш              |   | Ш  | _        | _        | _        | 4          | _        |          | 81       |                    | _         | Ш            | $\perp$               | _      | 1  | Щ              |                 |       | 131        | _               | _        | _               |          |                 |          |                 | _             |          |
|             | 32       | L.           | Ш              |   | $\sqcup$   | 4        | 4        | _        | 4          |          |          | 82       | _                  |           | Ш            |                       |        |  | Щ              |                 |       | 132        | _               | _        | _               | _        |                 |          |                 | 4             | ᆜ        |
| $\vdash$    | 33       | <u> </u>     | Ш              |   | $\sqcup \bot$                                    | 4        |          | _        |            |          |          | 83       | _ _                |           | $\sqcup$     | $\sqcup$              |        | Ш  | Ш              | ::::\ <u>.</u>  |       | 133        | _               | _        |                 |          |                 |          | $\Box$          | ļ             | _        |
| Щ           | 34       | <u> </u>     | Щ              |   | $\sqcup \bot$                                    |          | _        | _        | _ļ         |          |          | 84       | _                  | —         | $\perp$      | $\sqcup$              | - -    | $\sqcup$                                     | Ш              |                 |       | 134        |                 |          |                 |          |                 |          |                 | $\dashv$      |          |
| $\bigsqcup$ | 35       | L_           | Ш              |   | $\sqcup$   | _        |          |          |            |          |          | 85       |                    | 4_        | Щ            | $\vdash$              |        | Ш  | Ш              | ::::[ <u>.</u>  |       | 135        | _               |          |                 |          |                 |          | $\perp$         | ightharpoonup |          |
| oxdot       | 36       | <u> </u>     | Ш              |   | igspace  |          | $\perp$  |          | _          |          |          | 86       | $\perp$            |           | Ш            | $\sqcup \!\!\! \perp$ |        | Ш  | Ш              | ::::L           |       | 136        |                 |          |                 |          |                 |          |                 | $\bot$        |          |
| L           | 37       | <u> </u>     | Ш              |   | $\sqcup$   | _1       |          |          |            |          |          | 87       |                    |           | Ш            | $\Box$                |        |  | Ш              |                 |       | 137        |                 | _[       | $\perp$         |          |                 | I        | $\bot$          |               | ]        |
| لـــــا     | 38       |              | Ш              |   | $\sqcup \bot$                                    | $\perp$  |          | $\perp$  |            |          |          | 88       |                    |           |              | ot                    |        | <u>                                     </u> |                |                 |       | 138        | [               |          |                 |          |                 |          |                 |               |          |
| L           | 39       | $oxed{oxed}$ | Ш              |   | $\sqcup \bot$                                    | $\perp$  | $\perp$  |          |            |          |          | 89       |                    |           | $\sqcup$     |                       |        |  | Ш              |                 |       | 139        |                 |          |                 |          | l               |          |                 |               | _]       |
|             | 40       | L_           | Ш              |   |  |          |          |          |            |          |          | 90       | $oldsymbol{\perp}$ |           | $oxed{oxed}$ |                       |        |  |                | [               |       | 140        | [               |          | $\Box$          | _]       | ]               | ]        |                 |               |          |
|             | 41       |              | Ш              |   |  |          |          |          |            |          |          | 91       |                    |           |              |                       |        |  |                | [               |       | 141        |                 | $\Box$   |                 |          |                 |          |                 |               | ┚        |
|             | 42       |              | Ш              |   |  |          | I        | $\Box$   | $\Box$     |          |          | 92       |                    |           |              |                       |        |  |                | [               |       | 142        |                 |          |                 |          |                 |          |                 | $\Box$        |          |
|             | 43       |              | $\square$      |   |  |          |          |          | J          |          |          | 93       |                    |           |              |                       |        |  |                | [               |       | 143        |                 |          |                 |          |                 |          |                 | $\Box$        |          |
|             | 44       |              |                |   |  |          | $\Box$   | $\Box$   |            |          |          | 94       |                    | $oxed{T}$ |              |                       |        |  |                | Ī               |       | 144        |                 | 丁        |                 |          | $\Box$          | $\Box$   | _1              |               | $\Box$   |
|             | 45       |              |                |   |  |          | $\Box$   | $\Box$   |            |          |          | 95       |                    |           |              |                       |        |  |                | ľ               |       | 145        | $\neg$          | $\Box$   |                 |          |                 | $\neg$   | $\exists$       | $\exists$     | $\neg$   |
|             | 46       |              |                |   |  |          |          |          |            |          |          | 96       |                    |           |              |                       |        |  |                |                 |       | 146        | $\neg$          | $\neg$   |                 |          |                 |          | 寸               | 寸             | $\neg$   |
|             | 47       |              |                |   |  |          | $\Box$   |          | $\Box$     |          |          | 97       |                    | 1         |              |                       |        |  |                |                 |       | 147        | $\neg$          | 寸        | $\neg \uparrow$ |          |                 | $\neg$   | $\neg \uparrow$ | 寸             | $\neg$   |
|             | 48       |              |                |   |  | $\Box$   |          | $\Box$   |            |          |          | 98       | Т                  | T         | П            | $\Box$                | T      | П  |                | ı               |       | 148        | $\neg \uparrow$ | ヿ        |                 |          | T               | 一        |                 | _             | ヿ        |
|             | 49       |              |                |   |  |          | $\Box$   |          |            |          |          | 99       |                    |           | П            |                       | $\neg$ | $\Box$                                       |                |                 |       | 149        |                 | 7        | $\neg$          |          | T               | 寸        | 寸               |               | $\neg$   |
|             | 50       |              |                |   |  | 一        | ╅        | ╅        | ヿ          | ╗        |          | 100      |                    | 1         | П            | $\neg$                | $\top$ | 1 1  | $\neg$         | <b> </b>        |       | 150        | 一               |          | 一               |          |                 | 一        | _               | -+            | _        |